

**Report on Expert Lectures on VLSI,IoT By Experts from e-
Infochips,Ahmedabad**

(20-2-2020,Friday,11-1,2-4 pm)

The expert lectures by Experts from einfochips ,Ahmedabad was organized in the department. The experts were :

- 1.Shri Chintan Panchal, einfochips ,Ahmedabad
- 2.Shri Pranav Purohit, einfochips ,Ahmedabad

The experts are having vast experience in the field of VLSI.

The major points of his expert lecture are mentioned below:

eInfochips has extensive experience in developing embedded systems, wireless cameras, and video solutions for organizations in Surveillance, Broadcasting, Retail, Aerospace, Military, Consumer electronics, Transport, Medical devices and Industrial automation.

eInfochips, an Arrow company, is a leading global provider of product engineering and semiconductor design services. With over 500+ products developed and 40M deployments in 140 countries. The company's service offerings include digital transformation and connected IoT solutions across various cloud platforms, including AWS and Azure.

Its an ASIC design service company, outsourcing from specification to a working silicon. With over 200+ silicon tape-outs, we have the expertise to deal with increasing complexity of Digital and Mixed/Signal SoC's design and functional verification. Clientele shown included companies like TOSHIBA, Teradyne, Faraday, Texas, Qualcomm, Honeywell, Google, etc.

First expert lecture session was taken by Mr. Chintan Panchal who is LDCE Alumini and right now serving einfochip with his knowledge and expertise skills in VLSI domain.He explained both front end designing and back end designing for VLSI chips and how in industry this designing takes place. Also they showed how their company expertise in software, system, silicon and mechanical fields. The whole concept of how silicon chips are made from sand was made cleared through an intel 22nm chip's video. He also showed how along with technical skills, one company requires some moral values also and have shown their core values

The second expert lecture session was conducted by Mr.Pranav Purohit who is M.S.University alumini.He explained the concept of Internet of Things(IoT).He also explained the architecture of IoT. Low power consumption and network connectivity is critical for IoT. Different applications of IoT were discussed.

At the end of this both the sessions, there was an informative question and answer session. The 95 participant students and the faculties got good knowledge about the challenges in VLSI,IoT.

The expert talk was coordinated by Prof.Arun Nandurbarkar.

The department is thankful to Prof. Mihir V Shah,Head of the Department for encouraging to arrange this expert lecture. The department is also thankful to the Principal Dr. R.K.Gajjar for giving permission to organize the expert lecture.

Glimpses:

